



0065751

K19U 2265

Reg. No. : .....

Name : .....

V Semester B.Sc. Degree (CBCSS- Reg./Sup./Imp.) Examination,

November-2019

(2014 Admn. Onwards)

Core Course in Microbiology (Elective)

5B 12 MCB : VIROLOGY, MYCOLOGY AND PARASITOLOGY

Time : 3 hrs

Max. Marks : 40

Note: Draw diagrams wherever necessary.

**SECTION - A**Answer **ALL** questions. Each question carries 1 mark.

(4×1=4)

1. P<sup>24</sup> antigenemia is a marker for diagnosis of ----- infection.
2. Ectothrix infection of the hair can be observed by using ----- instrument.
3. The vector for transmission of malaria is -----
4. The mode of transmission of polio is ----- route.

**SECTION - B**Answer very briefly on any **SEVEN** of the following. Each question carries 2 marks.

(7×2=14)

5. *Giardia lamblia*
6. MR vaccine
7. H1N1 influenza
8. Amoebic dysentery
9. Direct microscopic detection of fungi in clinical specimens
10. Azidothymidine

P.T.O.



11. Tick borne haemorrhagic fever
12. *Pityriasis versicolor*
13. Nucleopore filtration for microfilaria detection
14. Aflatoxins

### SECTION - C

Write short notes on any **FOUR** of the following. Each question carries 3 marks. **(4×3=12)**

15. Aspergillosis
16. Etiology and pathogenesis of Kala azar.
17. Pathogenesis of rabies.
18. Etiology, clinical symptoms and transmission of Dengue fever.
19. Characteristic features of dermatophytes.
20. Methods for detection of viral growth in cultures.



### SECTION - D

Answer any **TWO** of the following. Each question carries 5 marks. **(2×5=10)**

21. Describe the steps involved in viral oncogenesis. Write a note on common oncogenic viruses.
  22. Discuss the etiology and pathogenesis of infectious hepatitis and serum hepatitis.
  23. Discuss the pathogenesis of filariasis. Describe the life cycle of the causative agent of filariasis.
  24. Write a note on the mode of action of antifungal agents.
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